Brown and Caldwell Carson City Nevada BORING LOG

Project Name: OU4 Phase 1 - Yerington Mine Evaporation Ponds Project Number: 136742													
Soil Boring: Monitoring Well: Piezometer: Boring/Well N						me	:(DU4-FE	·	Sheet <u>1</u> of <u>3</u>			
Boring Location: OU4 Finger Evaporation Ponds								ng: 155	ng: 321326.53				
Drilling Contractor: Cascade							Top of PVC Elevation: Ground Surface Elevation: 4380.75 feet amsl						
Drilling Equipment: CME-75 Auger							Date Started: 10-29-08 Date Finished: 10-29-08						
Drill	ing M	ethod: Hol	llow Stem Auger			Co De	mpl pth:	eted 7	5 ft bgs Water Depth				
Sam	pling N	Method:	Split Spoon Driller: Tori			WELL CONSTRUCTION							
Well Seal: N/A Borehole Diameter:8"						Type and Diameter of Well Casing: N/A							
Logg	ged By	: C. Haley	Drilling Fluid: N/A			Slo	ot Siz	ze: N/A	Filter Material:	Cement grout			
Depth (ft)	Elevation (famsl)	USCS Group Symbol	Material Description		Sample Type I Name	Sample Type I Location	Sample Type II Name	Lithology	Remarks				
5- -	4380 — - - - - 4375 —	ML SM	SILT (Pond Sediments) (0 - 0.5) Dry, yellow. Silty Sand with Gravel (Native Soil) (0.5 - 45) Soil appears to be impacted by pond sediments to 6.5 feet. From 25-30 feet, gravel size increases. Sample: OU4-FEP-14A-SC from 2-3.5 feet. Sample: OU4-FEP-14B-SC from 5-6.5 feet.	5	OU4-FEP-14B-SC OU4-FEP-14A-SC	X			Method D-2488 (the signal price of the size of the Unified System. Horizontal Survey dat Nevada State Plane sizene, in feet. Sharp contacts indica	ta is expressed in the system, Nevada West			
- - 10- - -	- - - 4370 — -								All depths are below otherwise. Type 1 Samples are respected and geographical and geographical as groundwaters.	otechnical soil samples er samples. representative of meteoric			
15-	- - 4365 — - -								,				
20 - - - - - -	4360 —												
-	4355 —												

Carson City, Nevada

BORING LOG

Project Name: OU4 Phase 1 - Yerington Mine Evaporation Ponds Project Number: 136742 Sheet _2 of _3 Boring/Well Name: OU4-FEP-14 Soil Boring: X Monitoring Well: Piezometer: Sample Type II Name Sample Type II Location **JSCS Group Symbol** Sample Type I Name Sample Type I Location Elevation (famsl) Depth (ft) Material Description Remarks 4350 35 40 4340 OU4-FEP-14C-SC 45 Silty SAND (45 - 75)
Becomes saturated at 60 feet. SM 4335 Sample: OU4-FEP-14C-SC from 45-46.5 feet. Sample: <u>OU4-FEP-14-GW</u> from 70-75 feet. Groundwater grab sample from temporary well. Placed sand pack around well to try to get cleaner sample. Sampled by bailer. 50 4330 55 4325 60 4320 4315

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Soil I	Boring:	<u>X</u> N	fonitoring Well: Piezometer:	Boring/Well Na	am	e: _	O	U4-FE	P-14	Sheet _	<u>3</u> o	f <u>3</u>	
Depth (ft)	Elevation (famsl)	USCS Group Symbol	Material Description	Sample Type I Name	Sample Type I Location	Sample Type II Name	Sample Type II Location	Lithology	Remarks				
70-	- 4310 — -				ar.								
75—	- 4305 — -		Bottom of Borehole at 75 feet below ground surfac										
80-	- 4300 — - -												
85— - -	- 4295 — - -												
90-	- 4290 — - -												
95— - -	- 4285 — - -												
- 100 - - -	- 4280 — - -												
- 105 <i>-</i> -	- 4275 —												